

EUROPEAN PATENT OFFICE

DI

Patent Abstracts of Japan

PUBLICATION NUMBER : 2002154439
 PUBLICATION DATE : 28-05-02

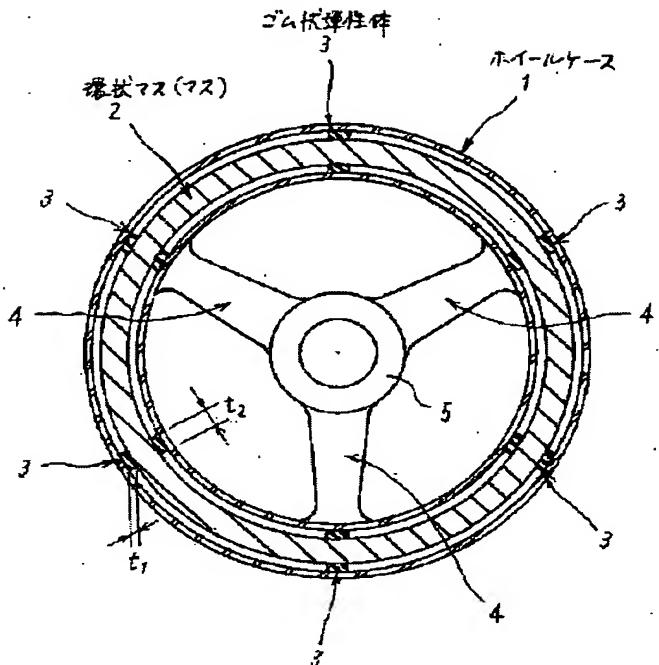
APPLICATION DATE : 24-11-00
 APPLICATION NUMBER : 2000356891

APPLICANT : NOK VIBRACOUSTIC KK;

INVENTOR : SASAKI KEIICHI;

INT.CL. : B62D 1/06 F16F 15/02

TITLE : STEERING WHEEL



ABSTRACT : PROBLEM TO BE SOLVED: To reduce vibrations in the rotating direction of a steering wheel at a low cost without influencing the operating easiness.

SOLUTION: A wheel case 1 in a hollow ring shape is fitted with a ring-shaped mass 2 and resilient pieces 3 of rubber, etc., to couple the inside surface of the wheel case 1 resiliently with the mass 2, wherein the mass 2 and resilient piece 3 constitute one spring-mass system. When a vibratory input in the circumferential direction of the steering wheel is made, a dynamic damper mechanism consisting of the spring-mass system makes resonance in the opposite phase to the input vibration, which should exert a vibration controlling function. It may also be accepted that a viscous liquid is encapsulated in the space between the resilient pieces 3, 3 of rubber, etc.

COPYRIGHT: (C)2002,JPO